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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,572	10/23/2003	Atsuo Tokunaga	244187US28	5984
22850	7590	11/01/2005		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER KIM, SANG K	
			ART UNIT	PAPER NUMBER
			3654	

DATE MAILED: 11/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/690,572

Applicant(s)

TOKUNAGA, ATSUO

Examiner

SANG KIM

Art Unit

3654

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on RCE 9/29/05.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
4a) Of the above claim(s) 2 and 6-12 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1 and 3-5 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/29/05 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 3 are rejected under 35 U.S.C. 102(e) as being anticipated by Nobuta et al., U.S. 2002/0148924 A1.

With respect to claims 1 and 3, Nobuta '924 shows a holding device (part of 50) configured to rotatably support the first rolled film (11, a film is also known as a recording paper), said holding device having a slanted surface (part of 50 and 64 are slanted) configured to support and guide movement of the first rolled film from a first position (10) on said holding device to a second position (20) on said holding device; a

Art Unit: 3654

conveyance device (60) configured to convey (using a motor 65 and an endless belt member 64) the paper of the first rolled paper (the paper is attached to the roll, and the roll is being conveyed by the conveyance device 60), said conveyance device being configured to move the first roller paper from the first position to the second position (by using the sensors 6, 6 and 109-110); and a first detector (i.e. a photo sensor 6, 6 and 109) configured to detect whether the core (11a) of the first rolled film has moved from said first position (10) to said second position (20), see figures 14-16.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

With respect to claims 4-5, Nobuta '924 teaches photo sensors (6, 6 and 109) but does not elaborate on the structural elements as set forth by the claim 4.

Fuji '544 shows a light emitting portion (7a) and a light receiving portion (7b), see figure 2.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the apparatus of Nobuta '924 to include a light emitting portion emitting a light to the first position, and a light receiving portion to receive light

Art Unit: 3654

reflected by the paper as taught by Fuji '544, in order to provide a non-contacting sensor for controlling the apparatus.

Response to Arguments

Claim 1 has been amended.

Applicant's arguments filed on 9/29/05 have been fully considered but they are not persuasive with respect to claims 1 and 3-5.

Applicant argues that Nobuta '924 fails to recognize a conveyance device that is configured to convey the paper of the first rolled paper, and move the first roller paper from a first position to a second position, as recited in the newly amended claim 1. Applicant argues that Nobuta '924 uses a motor 5 to deliver a film from the roll 11, and a separate motor 65 to move the roll positions. Applicant believes that Nobuta '924 uses two separate conveying devices to perform each separate task as stated above.

Examiner agrees with applicant's description of the Nobuta et al. reference; however, the amended claim presented by the applicant is still met by the Nobuta et al. reference. The added limitations in claim 1 recites, "conveyance device configured to convey the paper of the first rolled paper, said conveyance device being configured to move the first roller paper from the first position to the second position." As stated above, Nobuta '924 uses the roll conveying unit 60 to move the roller into various positions, and able to convey the paper of the rolled paper since the paper is still on the roll.

Art Unit: 3654

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SANG KIM whose telephone number is 571-272-6947. The examiner can normally be reached Monday through Friday from 8:00 A.M. to 5:30 P.M. alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki, can be reached on (571) 272-6951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SK

10/29/05

Kathy Matecki

KATHY MATECKI
SUPERVISORY PATENT EXAMINER
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